AMENDMENTS TO THE SPECIFICATION

At page 5, please amend Paragraph **[0029]** as follows:

[0029] Figure 7 is a schematic view illustrating an apparatus employing two photonic crystals placed adjacent to one another useful for illustrating a number of different applications. **[0029a]** Figure 8a is a perspective view of a photonic crystal slab where a two-dimensional periodic index contrast has been introduced in the form of a two-dimensional array of air holes.

At page 5, after Paragraph **[0029a]**, please add the following paragraph:

[0029b] Figures 8(b) and 8(c) illustrate the light transmission characteristics of the photonic crystal slab of Figure 8(a) at two different hole sizes.